

WHAT IS CLAIMED IS

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1. A data processing system in which a plurality of data processing apparatuses are connected together via a communication network, wherein:

10 each of said plurality of data processing apparatuses comprises:

a data acquisition part obtaining data which should be processed;

15 a data analysis part performing predetermined data analysis on the obtained data;

a data unit identification part identifying the obtained data as a data unit for each event; and

20 a determining unit determining for each data unit according to a predetermined condition whether the predetermined data analysis should be performed on the obtained data in the own apparatus, or should be sent via the communication network to another apparatus and the predetermined data  
25 analysis should be performed by said other apparatus instead on the obtained data.

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2. The data processing system as claimed in claim 1, wherein:

the data obtained by each data processing apparatus comprises moving picture data as a  
35 monitoring target concerning a predetermined monitoring item; and

the predetermined data analysis which

should be performed by said data analysis part comprises processing of determining and recognizing the contents of the predetermined monitoring item by analyzing the obtained moving picture data.

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3. The data processing system as claimed  
10 in claim 2, wherein:

each data processing apparatus further comprises an identification information adding part adding predetermined identification information to the obtained moving picture data, which information  
15 is used for identifying the obtained moving picture data for each event as a data unit; and

the predetermined identification information is added to the moving picture data in a form of private data when the moving picture data is  
20 compressed.

25 4. The data processing system as claimed in claim 2, wherein:

each data processing apparatus further comprises an identification information adding part adding predetermined identification information to  
30 the obtained moving picture data, which information is used for identifying the obtained moving picture data for each event as a data unit; and

the identification information is inserted into each frame of the moving picture data by a  
35 predetermined text multiplexing technique.

5. A data processing apparatus comprising:

a data acquisition part obtaining data which should be processed;

5 a data analysis part performing predetermined data analysis on the obtained data;

a data unit identification part identifying the obtained data for each event as a data unit; and

10 a determining unit determining for each data unit according to a predetermined condition whether the predetermined data analysis should be performed on the obtained data in the own apparatus, or transferring the obtained data via a  
15 communication network to another apparatus and causing the other apparatus instead to perform the predetermined data analysis on the obtained data therein.

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6. The data processing apparatus as claimed in claim 5, wherein:

25 the data obtained comprises moving picture data as a monitoring target concerning a predetermined monitoring item; and

the predetermined data analysis which should be performed by said data analysis part  
30 comprises processing of determining and recognizing the contents of the predetermined monitoring item by analyzing the obtained moving picture data.

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7. The data processing apparatus as

claimed in claim 6, further comprising an  
identification information adding part adding  
predetermined identification information to the  
obtained moving picture data, which information is  
5 used for identifying the obtained moving picture  
data for each event as a data unit,  
wherein the predetermined identification  
information is added to the moving picture data in a  
form of private data when the moving picture data is  
10 compressed.

15 8. The data processing apparatus as  
claimed in claim 6, further comprising an  
identification information adding part adding  
predetermined identification information to the  
obtained moving picture data, which information is  
20 used for identifying the obtained moving picture  
data for each event as a data unit,  
wherein the predetermined identification  
information is inserted into each frame of the  
moving picture data by a predetermined text  
25 multiplexing technique.

30 9. A data processing method applied to a  
data processing system in which a plurality of data  
processing apparatuses are connected together via a  
communication network, comprising the steps of:  
a) obtaining data which should be  
35 processed by each of said plurality of data  
processing apparatuses;  
b) performing predetermined data analysis

on the obtained data in said data processing apparatus;

c) identifying the obtained data for each event as a data unit in said data processing apparatus; and

d) determining for each data unit according to a predetermined condition whether to perform the predetermined data analysis on the obtained data in said data processing apparatus, or to send via the communication network the obtained data to another apparatus and causing said another apparatus instead to perform thereon the predetermined data analysis.

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10. The data processing method as claimed in claim 9, wherein:

the data obtained by each data processing apparatus comprises moving picture data as a monitoring target concerning a predetermined monitoring item; and

the predetermined data analysis which should be performed in said step b) comprises processing of determining and recognizing the contents of the predetermined monitoring item by analyzing the obtained moving picture data.

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11. The data processing method as claimed in claim 10, further comprising the step of e) adding predetermined identification information to the obtained moving picture data, which information is used for identifying the obtained moving picture

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data for each event as a data unit,

wherein the predetermined identification information is added to the moving picture data in a form of private data when the moving picture data is compressed.

10                   12. The data processing method as claimed in claim 10, further comprising the step of e) adding predetermined identification information to the obtained moving picture data, which information is used for identifying the obtained moving picture data for each event as a unit data,

15                   wherein the predetermined identification information is inserted into each frame of the moving picture data by a predetermined text multiplexing technique.